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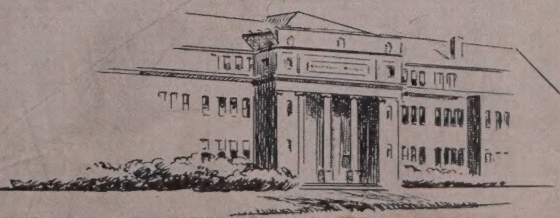
ILLINOIS AGRICULTURIST



Fifty-Second Year

DECEMBER, 1947

Member A.C.M.A.



Campus to GENERAL ELECTRIC

AIR CONDITIONING CHEMICAL ENGINEER

D-Day Veteran John Stiefel concentrates on
G-E problems instead of chemical mortars

After receiving his B.S. in chemical engineering at the University of Illinois in 1942, John Stiefel went into the Army Chemical Corps, landed in the sixth wave on D-Day, fought through France and Germany, mortared the Nazis, got mortared himself, and came out with a Purple Heart, a Bronze Star and a great eagerness to get back to the practice of non-destructive chemistry.

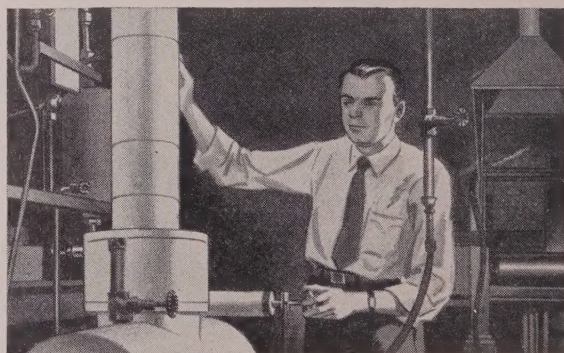
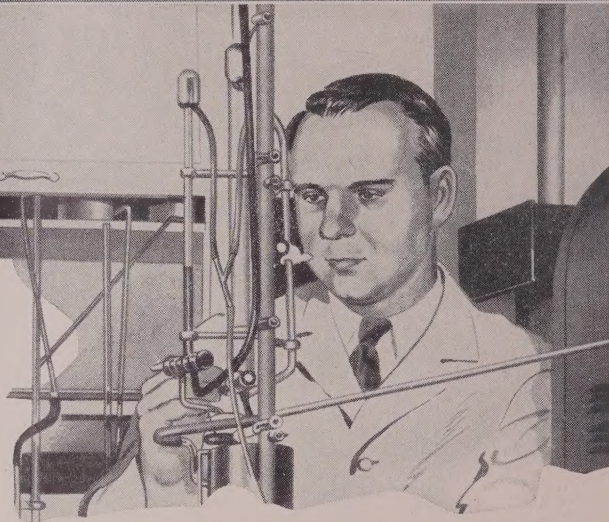
He spent three weeks travelling around the states from one employment interview to another. In the end he decided on General Electric—particularly the Air Conditioning Department in Bloomfield, N. J.

"I figured," he says, "that a company like General Electric, growing outside of purely electrical projects into such chemically-based fields as atomics, paints, and plastics, would offer all the chemical opportunities I could want. I wasn't wrong."

John joined the company in December, 1945, and went to work in the Bloomfield Works Laboratory. Although air conditioning is essentially the application of unit processes he had learned at Illinois, he had never had any specific training in the subject. He set out to learn about it and about General Electric. G-E courses in materials and processes and in sales analysis helped him.

At Bloomfield, John has helped establish the Works Laboratory, plan its expansion, and has prepared test methods for it. He is now the laboratory's Chemical Section Head and a consultant on chemical engineering problems for the Air Conditioning Department. With further expansion underway in personnel, equipment and floor space, John's job grows steadily.

For your copy of "Careers in the Electrical Industry," write to Department 237-6, General Electric Company, Schenectady, N. Y.



At Illinois John did some special work on distillation processes, but it has been his grasp on chemical fundamentals, he says, that has helped him most at G. E.



As commander of Company A of the 87th Chemical Mortar Battalion, John hit the Normandy beaches early on D-Day. He received five battle stars for service in Europe.

GENERAL  ELECTRIC

THE ILLINOIS AGRICULTURIST

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Number 3

An Exponent of Scientific Agriculture

Published six times yearly by students in Agriculture and Home Economics at the University of Illinois

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AN EDITORIAL . . .

In a few days we are to be turned loose by the administrative powers that be and allowed several days to go home and forget eight o'clocks, hour exams, and those other things attendant with college every-day life.

This break comes at approximately the mid-year of this scholastic year . . . at least we are far enough along with the first semester to have an idea of where we are going this 16 weeks. With these idle days at the time they come, it seems to follow that it is a good time for reflection . . . a good time to look back . . . and a good time to look forward.

Christmas does something to us that is good. We can forget for a time our petty avarices and our ego-centricities, find joy in doing things for others, and speak of "peace on earth, good will to men." Different people have different names for whatever it is that brings about this change. Some say it is the spirit of Santa Claus . . . some call it the Christmas spirit . . . some say it is the Spirit of the Savior whose birth we commemorate.

Three years ago, some of us looked up from smoking guns in the Battle of the Bulge or breathed freely after parrying Jap infantry thrusts to take a moment to think, "maybe this will be over soon and we can have some of this 'peace on earth, good will to men'."

Christmas is a time when men can dream. It is a time when men can think and plan and hope. The needs of the world for which we shall be responsible are to be seen everywhere. We should take time now to consider them.

We are students in one of the finest universities in the greatest nation in the world. We are given this great University to a large extent by the support of thousands of people in Illinois who have not been to college and whose children will not go to college. It seems only fair that we realize that we have, in accepting their gifts, a responsibility to them which demands that we learn all we can and then with all of the power which each of us possesses, offer to them the knowledge and leadership which we are qualified to give.

Our responsibilities as leaders cannot be avoided. Understanding and advancement are dependent upon education. If we are truly in the small number of educated college graduates and recognize society's needs of us, we must pledge ourselves to be prepared.

Our experience and training has shown us that our agriculture may be improved through research and application of better methods. We all know of the importance of agriculture as the basis for sustenance of life, which is fundamental for keeping peace. By our own choice we are students of agriculture and in our hands may well rest the future welfare.

Yes, Christmas is a time when men can dream. It is a time when men can think and plan and hope. It is a time when we can think and plan and start to do. Ours may be the impetus which will bring "peace on earth, good will to men."

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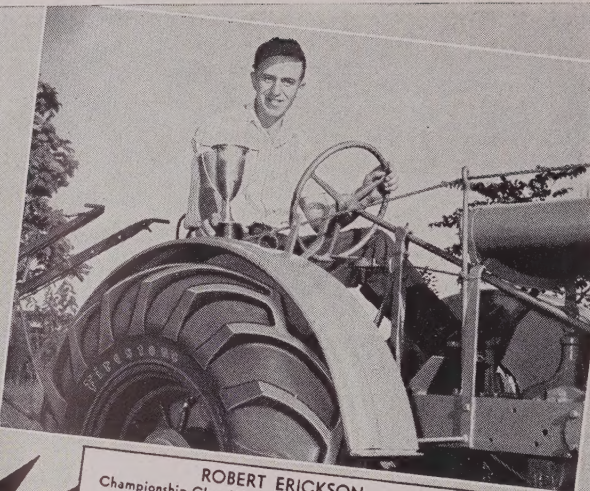
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Achievements Mark 4-H Year

By Betty Reynolds and Glyndon Stuff

The attention of the whole nation was called to the achievements of all 4-H members and their efforts in helping to win the peace through food production and conservation during National 4-H Achievement week, Nov. 1-8.

In the state of Illinois there were 22,453 girls enrolled in 1,782 4-H home economics clubs, and 22,093 members of 4-H agricultural clubs of which 19,200 were boys. In the home economics clubs, 438 girls were state outstanding members and 1,846 were project honor members; 967 members of the agricultural clubs were selected as project honor members and 304 as outstanding members.

The final weeks of the 4-H year enable members to summarize their activities of the year, such as the Open House held here at the University during the third week of June. More than 8,000 4-H'ers took advantage of this opportunity to see the University.

Many Participated in Camping

Nearly 9,000 members took an active interest in camping. Not only by actual participation, but in raising \$60,000 for the 4-H camping program here in Illinois.

Four hundred boys and girls received special training this summer at leadership training camp at East Bay. Leadership is being particularly emphasized in the local 4-H club programs. It is not easy to forget the judging schools, contests, and demonstrations held this year. Here the girls demonstrated ap-

proved methods in food preparation and in room improvement; modeled well-made, attractively styled garments, and exhibited them. The boys exhibited outstanding livestock and won much of the show money.

November 2-8 was the week that honored the achievement members, state project honor members, and state outstanding members. From the list of state outstanding members, 24 fortunate boys and girls selected on the basis of their outstanding records, were named as delegates to the National Club congress in Chicago.

Two Illini Co-Eds to Club Congress

The girls were Doris Chelin, Bureau county; Carleen Densch, Saline; Dorothy Giese, LaSalle; Sue Halcott, LaSalle; Barbara Heath, Gallatin; Martha Lou Klepfer, Stark; Bernadine Lambert, Morgan; Evelyn Love, Macoupin; Pauline McMillan, Sangamon; Evelyn Mollet, Bond; Marian Reuter, Scott, and Margaret Yana, Ford.

Sue Halcott, a junior on the University campus, is vice-president of the Home Ec club and participates in YWCA activities. Sue has been active in 4-H work for eight years and also has been responsible for leading a club. She attended the 1947 leadership camp as a member of the continuation committee.

Dorothy Giese, a freshman at the University, was chosen to represent Illinois in the national leadership contest. She competed for one of the \$200 educational scholarships presented to na-

tional contest winners. Dorothy has been a 4-H member for eight years and an assistant leader for five years.

The boys were Robert Buita, McLean county; James A. Butler, Kankakee; Kenneth S. Cook, DeKalb; Alfred DeCap, Whiteside; Lawrence Gregory, DuPage; Ronald Hack, Will; Alvin R. Henninger, Boone; Hobart Hinderliter, Fulton; William R. Hobson, Greene; Robert Linquist, Henry; Cletus Shertz, Woodford, and Bill Simon, Bureau.

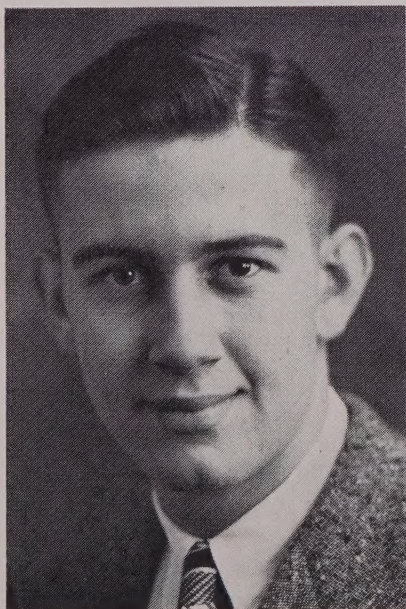
Hobart Hinderliter is a freshman at the University. He is interested in YMCA work, the Agricultural Education club, Hoof and Horn club, and is working on the Agriculturist staff. He has been a 4-H member for four years and attended leadership camp in 1947.

Paul Bates, another freshman at the University, was named a winner of the Farm Underwriters scholarships and received a \$100 scholarship. Paul's home is in McLean county.

Of the other boys attending the congress, William R. Hobson is also at the University. Bill has been a 4-H member six years; has served as junior leader of his local club; president of the county federation, and attended state leadership camp in 1946.

Other young people who attended the congress are in various fields of work and study. Bernadine Lambert is a senior in Waverly Township high school; Evelyn Love is a rural school teacher; Marian Reuter is a junior stenographer;

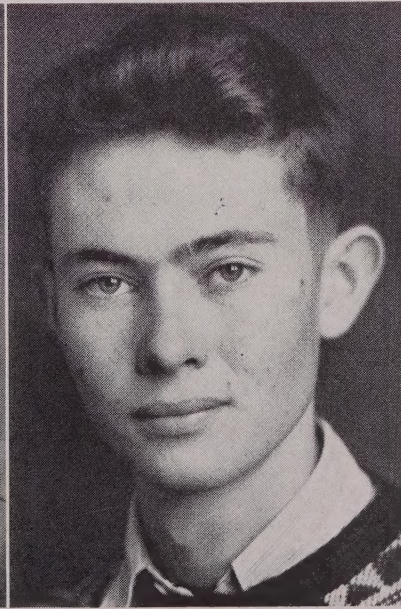
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HOBART HINDERLITER



SUE HALCOTT



WILLIAM R. HOBSON

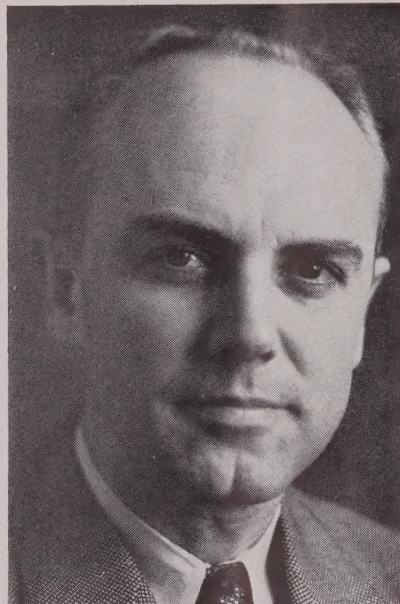
SALISBURY HEADS DAIRY DEPARTMENT

On Nov. 1, Glenn W. Salisbury, one of the leading men in the field of dairy production, took over the reins as head of the University department of dairy production. He comes from Cornell university, Ithaca, N. Y., where he has achieved a fine record. This is evidenced by the fact that in 1945 he was awarded the Borden award for outstanding work in dairy breeding research, presented by the American Dairy Science association.

Salisbury has had an extensive agricultural background. Born on a farm in a county in Northeastern Ohio, he attended schools there and also for a time in North Carolina and Massachusetts, graduating from North high in Columbus, Ohio.

Enrolling at Ohio State university, Salisbury compiled a very outstanding scholastic and activity record. He was a member of the Ag council and the student senate, was chairman of Homecoming, and took an active part in other campus activities. Upon graduation he was awarded the Vivian award, presented to the outstanding graduating senior in the agricultural college.

Salisbury belongs to several honorary fraternities including Phi Eta Sigma, Alpha Zeta, Gamma Sigma Delta, Sigma



GLENN W. SALISBURY

Xi, and Phi Kappa Phi. He was also a member of Alpha Gamma Rho social fraternity at Ohio State.

His post graduate work was done at Cornell university where he received

his Ph.D. in animal genetics, nutrition, and physiology in 1934.

Salisbury has had an interesting career since he graduated from college. For seven years he was chief assistant to Morrison, author of "Feeds and Feeding." He helped develop the feeding standards for dairy cattle, published in that book, and received acknowledgment from Morrison for his fine work and assistance in his last edition.

In 1938 he became director of the division of animal breeding at Cornell. Since that time his work has been mainly in breeding and artificial insemination of dairy cattle.

Last year, however, he spent time in the Near East at the request of the Near East Foundation and Greek government, working on the problem of livestock rehabilitation resulting from losses during the war.

In addition to this work, Salisbury also has found time to serve as chairman of the committee on student activities at Cornell for several years.

As far as future plans for the dairy department, Salisbury states that he came to Illinois to learn, although he also hopes that he can contribute to the dairy production work in Illinois during the next few years. From his unassuming, efficient manner, there is no doubt that his coming will be of great benefit to the dairy industry in Illinois and a credit to our University.



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Illinois Crop Improvement Association

Urbana-Lincoln Hotel, Urbana

Students Study Kiddies' Kapers

By Jan Youmans

"I don't want to go home," whimpered a small child as his mother led him out of nursery school. This is a typical cry of pre-school children who have spent their first few happy weeks at the nursery school located in Bevier hall.

Under the supervision of Miss Nellie Perkins, who has been outstanding in the field of child development, the laboratory has become a wonderland for children.

The nursery school provides environment for part of each day, in which there is no conflict between the rights and interests of different ages. Adults are temporarily forgotten, and the equipment and program are planned primarily for the child. One of the important means by which the child's life in the nursery school is simplified is based on the fact that everyone is doing the same thing at the same time.

The Routine Is Simple but Definite

The routine of the nursery school is also simple. A few things must be done at definite times of day, but for long periods the child is free to choose his own activity. Day after day the routine

activities stay the same. There are no interruptions by the arrival of visitors. Play may be shifted from outdoors to indoors in case of a sudden rain storm, but play still varies from day to day.

The effects of bad behavior are also constant and therefore intelligible to the child. The rules of the school are few and so simply stated that they are within the understanding of the child. Punishment for infringement of rules is inevitable but unemotional. Whenever possible, the punishments themselves are the natural results of the child's behavior.

Many Play Materials Are Supplied

In nursery school any child should find play materials that offer new possibilities. Some of these materials are too expensive for the average home to buy, some too messy to be used in an ordinary home, and some are so simple that most adults have failed to see their real play possibilities.

The teachers have special training in the development, interests and needs of young children; they have time to give help at the moment when it is needed,

to listen to poorly formulated questions and answer them in simple terms. The other children in school provide a wealth of companionship and there is nothing so important at this age as playmates.

The nursery school usually enrolls about twenty children. These children are placed in one of two groups. The juniors are usually from three to four years old and the seniors are from four to five. This division is not always made according to age but in regard to a child's motor, emotional, and social development.

An Outdoor Playground Is Provided

But now come along and we will take a tour of the nursery school. As we enter the playground between Lincoln and Bevier halls, we notice that there are two separate sections. The juniors and seniors each have their own playground. Part of each section is covered with cement which the children use for block building and motor toys, the rest is surfaced with crushed stone. Both groups have swings, sandboxes, rockers,

(Continued on Page 14)

Head Start in Home Economics

By Mary Lou Newburn

The home economics majors appear to be anxious to get started on their careers. At any rate, several of them found jobs this summer which were related to their fields of interest. Besides gaining some valuable knowledge, they had a lot of fun and some interesting experiences.

Promotes Chic in Local Store

Doris Neumann, textiles and clothing major, applied for a job at the Fair store in her home town of Kankakee. Before she knew it she was made chairman of the first college board the town had ever had. Her first job was to select sixteen girls, four from high school and twelve from college, to model the clothes for the fashion shows which were to be put on during the summer.

After Doris had told the girls something about the fall fashions with their "new look," she helped them select the clothes they were to model.

Using illustrations she had collected from fashion magazines, she posed the girls so that the job really looked quite professional.

Doris commented at the style shows.

She had had experience in this last spring when she was commentator for the fashion show put on by the textiles classes at the University. When Doris wasn't working on fashion shows, she did selling in the college shop and acted as a personal shopper.

Behind Scenes in Diet Kitchen

Blanche Long spent her summer as a dietary assistant at the Cook county hospital. At first she followed around after the dietitians, but by the end of the summer she was doing the same work as the dietitians themselves. She says she got to do this because they were so short of help. Her main jobs were ordering food, directing service, and assisting with special diets. Since the hospital is quite large, it receives a variety of interesting and unusual diseases. One skin patient for example had such a rare disease that no case of it had ever been recorded. Blanche particularly enjoyed associating with the many interesting people—nurses, doctors, and patients—whom she met there.

Hands Across the Counter

Sonny Karlen combined sightseeing

in New York with a position as salesgirl in Bloomingdale's yard goods department. Se says that she sold everything from cotton to laces and made sales of from 7 cents to \$119. Two particularly interesting customers were a Chinese man and woman who represented a Chinese textile company. They bought one and one-half yards each of many different materials including brocades and lames. They intended to take these materials back to China and make them up into Chinese costumes to use for display and advertising purposes.

Sonny had other unusual customers including an Italian countess and the wife of a South American diplomat. The experience which she gained will be invaluable for her career in textiles and clothing.

Plans 'Meet Your Meat' Program

Virginia Mero spent her summer in Chicago as a member of the staff in Armour's consumer service department, really the home economics department. She spent most of her time testing experimental recipes. She was also allowed

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TWOMEY OF THE AG COLLEGE

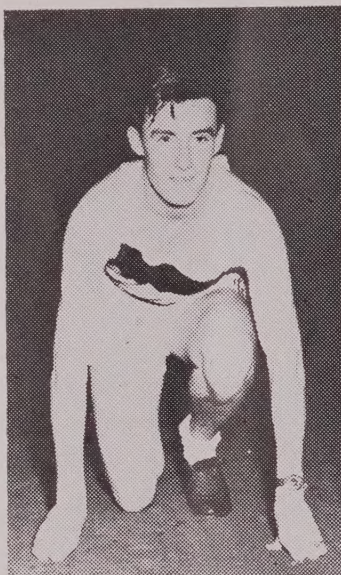
By Jack Albrecht

The unbeaten Badgers' ace, Don Gehrmann, Big Nine two-mile champ, is figured to take the individual honors in the meet, but he should get plenty of competition from John Twomey.—The Daily Illini of Nov. 7, 1947.

John Twomey, senior in the college of agriculture, is a member of the Illini cross-country team and one of the distance men on the champion Illinois track team. Twomey runs in the mile and two-mile events, but he considers the two-mile his specialty.

Twomey first became interested in track as a junior at Roseville, Illinois, high school, and in his senior year came to the state track meet at the University. After graduation, he went to Western Illinois State Teacher's college at Macomb, where he was on the track team. Transferring to Illinois in the spring of 1946, after a period of service with the Army Air corps in the Far East, Twomey made the Illinois track team. Since 1946 he has acquired several track medals, and has won two letters in track and one in cross country.

This past summer he was on the AAU track team that toured Central Europe. The team left the United States in July and made a seven-week swing around Europe, competing with leading athletes of the countries and in the Central European track meet. This brought to mind the 1948 Olympics team, and when asked if he would try out for the team, Twomey said he probably would, but that competition for the team would be great.



ILLINI HARRIER STAR

Twomey, who will graduate in February, is in general agriculture. He plans to return to the family's 400-acre farm and work with his father. While in high school he was a member of FFA and raised purebred Berkshire hogs for his project.

John is a member of Alpha Tau Omega fraternity, Ma-Wan-Da, and the Tribe of Illini. When asked if he had a "steady girl" he said he was unattached.

Wills Joins Ag Ec Staff

"Traveling over the country gives one a first-hand picture of agricultural conditions," says Walter J. Wills, recently appointed assistant professor of agricultural economics.

Prior to his arrival on campus Oct. 1, Wills was a fieldman for Production Credit association in Southern Illinois.

A native of Beecher City, Fayette county, Wills attended Blackburn college from 1932-34. He then transferred to Illinois, graduating in February, 1936. During his undergraduate study, Wills was a member of the Ag club, Field and Furrow, Ag Economics club, Alpha Zeta, Gamma Sigma Delta, and Phi Kappa Phi.

He received his M.S. degree in agricultural economics in February, 1937, writing a thesis on crop insurance.

From 1937-41, Wills worked as a credit examiner for the Products Credit association of St. Louis, traveling through Southern Illinois, Missouri, and Arkansas.

In June, 1941, he entered the army quartermaster corps, receiving his commission in October, 1942. Serving with the Third Army Ordnance depot, Wills went overseas in June, 1944, to the European theater. He was discharged in November, 1945, and returned to the Production Credit association.

As a member of the agricultural economics staff, Wills is doing research work in livestock marketing. He is taking one unit of graduate work in the study of locker plants.

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MARY MYRTH WALLACE...ACTIVITY GIRL

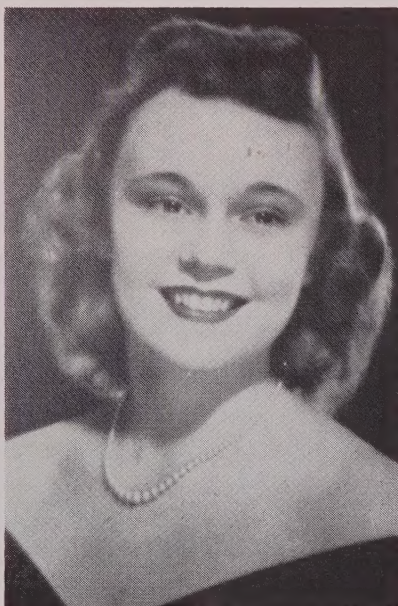
By Meta Marie Keller

There aren't many girls willing to snatch a hasty meal, and perhaps not even that, to attend some athletic event. Besides being in the audience at basketball and football games, wrestling matches and track meets, Mary Myrth Wallace also likes to be a participant in numerous sports activities. These have helped make her the active, all-around person that she is.

Mary Myrth is now a senior in the college of agriculture. Her major is textiles and clothing with special emphasis on the merchandise buying field. This next semester she plans to get some practical part-time sales experience before receiving her bachelor's degree in June. Six years of 4-H club work serve as the background for her major. Although she loves to sew, her problem now is one of finding enough hours in the day for all that she would like to do. Mary Myrth is an active member of the University Isabel Bevier Home Ec club, serving as co-chairman of the All-Ag Field day this year. Phi Upsilon Omicron, the home economics honorary, has claimed her as a member. Mary Myrth was also a member of the Plowboy Prom court last year.

This summer, Mary Myrth was kept busy attending the YMCA and YWCA president's school at Columbia university in New York City. There she spent six weeks of intensive study and really saw the town of New York, from cafe society to Coney Island. Mary Myrth's interest in the YWCA began four years ago when she worked first as a committee member, then as chairman of those committees. She now holds the vice presidentship of the YWCA. Mary Myrth has also acted as chairman of the Membership and Intercollegiate committees on the cabinet. In 1946 she represented the University at the National YWCA convention held in Atlantic City, N. J., and last fall she acted as hostess to the national conference when it convened here on our own campus.

Mary Myrth has also had time to be



ACTIVITY LEADER

an active member of the social sorority Pi Beta Phi here on campus, and has been a sophomore manager of University Star Course.

To top off the list of activities, she was a member of Torch, the junior women's activity honorary, and is now a member of Mortar Board, one of the highest honors senior women can achieve.

Even with a schedule as complete as this, Mary Myrth has been able to take part in activities on the lighter side of life. She likes to go on picnics and to dance; she also loves to play bridge, although she admits she doesn't play too well.

Mary Myrth lives in Urbana, and in her rare minutes of spare time, her brother is teaching her to drive. He claims to suffer, but probably secretly enjoys his teaching capacity.

One of her dreams is of having a

Delegates Attend IHEA Conference

Delegates of the Isabel Bevier Home Ec club attended the Illinois Home Economists association conference Nov. 24 and 25 at the Edgewater Beach hotel in Chicago. Miss Ritta Whitesel, club sponsor, Sue Robinson, club president, and Pat Scherer, secretary, represented the University club at this meeting.

Representatives from Illinois Institute of Technology were in charge of the college club meetings. Nearly all of the home ec college clubs in the state were represented.

The outstanding topic for the meeting of the club representatives, though there were many interesting talks and demonstrations for the general meetings, was "Let's Talk About You," by Miss Amy Williams. Miss Williams, superintendent of home economics in the Chicago public schools, could make one feel that home economics was exactly what it should be to every girl—the most wonderful thing in the world. She emphasized the importance of having a philosophy of home economics and knowing what that philosophy really is. Miss Williams said one should live home economics every day of their life, develop alert enthusiasm and personality and never forget to look for beauty, for there is beauty in everything. It is important to affiliate professionally with the IHEA and AHEA, so as to have the opportunity to see one's duty in the professional field.

The Illinois Home Economics association college club president for next year is Eileen Sorby and the sponsor is Miss Dorothy Sweating. Both are from Frances Shimer college, Mt. Carroll.

home of her own somewhere near the Colorado Rocky mountains. Mary Myrth, her parents, her sister, a sophomore in the University, and her brother, a freshman, have traveled throughout the United States. Even after seeing other regions in the country, the West is still the favorite on her list.

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HEADSTART . . .

(Continued from Page 5)

to take part in a training program for field workers. After their instruction, these workers go out and give lectures and demonstrations on the use of meat. As part of the course the heads of the various departments gave informative talks about the work done in their departments. There were also movies and field trips through the company.

Department of the Interior

Alice Jacobson found a job in her home town as "assistant to an assistant" interior decorator. At first she did some actual selling where she got to meet the customers, hear their problems, and help them or find out how the decorator would solve their problems.

Later, she actually worked on some of the draperies, slip covers, curtains, and other of the items which were made to order. Alice says it was a big thrill to see a pair of draperies she had worked on put up and to see the wonderful change they brought about in a room.

Provides Fare in Summer Camp

Shirley Haven started her career this summer near St. Louis as dietitian in a camp for underprivileged children. Her main job was to plan menus and to order food. On the cook's day off she

Eight home economics girls left the campus Nov. 11 for high schools throughout the state where they will do their student teaching. Eleanor Icenogle and Betty Forsyth have gone to Tolono and Julia Ruth Stahl and Mary Frances Garden to Cerro Gordo, where Pauline Crowley is supervising teaching. Those instructing in Newton are Mrs. Louise Fliermans and Glenellen Musgrave, and teaching in Princeville are Lucy Parrish and Dorothy Manley. The girls will live

also supervised the preparation of the food. Shirley says she and the other staff members were kept busy seeing that the children stayed out of mischief. One little girl was threatened with typhoid when she drank water from the creek. The staff also had to try to keep the children from playing with snakes which, for the children, seemed to be a favorite pastime. Shirley says that it certainly was not a dull summer.

These are only a few of the sundry jobs undergraduate home economists held during the summer, but they give one an idea of what can be done with a background in home economics.

and teach in these communities until Christmas.

Each girl will be assigned one or more home economics classes. Other duties are home visits to the students, helping direct the FHA club, working in the school lunch room, and assisting with adult classes. The purpose of this program is to acquaint the prospective teacher with actual conditions both in the school and in the community. Although other curricula are considering this plan, agriculture and home economics students are the only ones at the present time who do their student teaching away from the campus.

Many freshman girls will rejoice at this news: chemistry 5, inorganic chemistry and qualitative analysis, has now been eliminated from graduation requirements for those in home economics except for those who are majoring in foods and nutrition or in hospital dietetics. Chemistry 5 will be no longer required as a prerequisite for chem. 32 but chem. 1 or 2 will be. The minimum requirement is now eight hours as compared with the previous 13.

Miss Hodgeson, state supervisor of home economics education, called a conference Nov. 10 and 11 in Springfield for all those in the field of home economics teacher training. Rua Van Horne, Washington, was the speaker. From this University the following attended: Letitia Walsh, Ruth Peters, Mildred Moore, and Anna Belle Robinson.

Lesson in a Mirror



Future producers of pork, beef and lamb, accustomed to seeing animals on foot, should be equally familiar with the carcass. For the carcass reflects the breeding, feeding, care and handling of livestock. Its quality determines the cuts, texture and flavor of the meat that is sold to the consumers. Knowledge of the carcass is the key to successful livestock production...success in any business hinges on the ability to give the public what it wants.

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Vet College Studies Fowl Pox

Fowl pox is again infecting poultry flocks throughout the state. This disease, which causes deaths, lowers egg production, and impairs development, may be effectively prevented by vaccination or by a thorough program of sanitation, advises Dr. H. S. Bryan of the University's college of veterinary medicine.

Poultry are immunized against the pox by inoculation with fowl-pox vaccine. Veterinarians at the University have successfully used a newly developed vaccine which has averaged 98.7 per cent "takes" during recent four-month tests in six Illinois flocks.

A sanitation program for prevention of the disease in poultry flocks should include burning the litter, cleaning and scrubbing chicken houses with lye water, and spraying houses and roosts with a 3 per cent compound solution of cresol. Visitors from diseased grounds should not be allowed near healthy, unvaccinated flocks.

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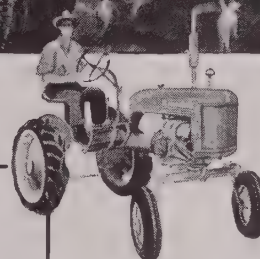
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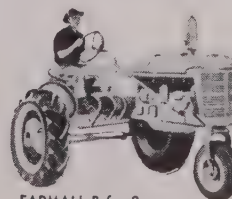
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BETTER GRAZING . . . BETTER BEEF

There is always something new and interesting emerging from the experiments in the college of agriculture. In this instance it is the results of a cooperative experiment between the animal science department and the agronomy department. The purpose of the experiment was to study the effect of beef steers on two different kinds of pastures that were continuously and alternately grazed, and the effect of the pastures on the beef steers.

In early May, 1947, four lots of cattle, consisting of 15 head per lot, were turned into four different fields. After heavy spring rains, the pastures were considered to be in excellent condition. The cattle were kept on the pastures until Aug. 1.

The pastures were four 10-acre fields, which were sown with two mixtures, with two types of grazing on each mixture. One field of each mixture was equally divided so that alternate grazing could be carried on.

One field was sown in bluegrass, red-top, ladino clover, ordinary white clover, and English white clover. The mixture on the other field was the same, except that an aggressive type of southern brome grass was substituted for the bluegrass.

The pastures were seeded by the broadcast method in the spring of 1946

without a nurse crop and grazed lightly in the fall of that year.

Results of the experiments show that the cattle on alternate grazing gained more than those on continuous grazing on each mixture and that the mixture containing brome grass supported larger gains than that containing bluegrass.

The tabulated records show that gains on continuous grazing on the bluegrass mixtures gained at the rate of 1.03 pounds per day, while those on alternate grazing on the same pasture mixture gained 1.35 pounds per day.

Cattle on alternate grazing on the brome grass gained more daily than either lot on bluegrass, averaging 1.38 pounds per day. Those on continuous grazing on brome grass mixture showed the highest gains, averaging 1.57 pounds per day.

In interpreting the results, it is to be taken into consideration that the gains, which were in no way phenomenal, were made during one of the driest and hottest summers which has been experienced in Central Illinois in recent years. Under such adverse climatic conditions, outstanding yields of pasture or outstanding gains on the beef steers could hardly be expected.

Since 1946-47 was the first year that this experiment has been carried on at

this station, no conclusive evidence can be drawn from the results. However, it is expected that this experiment is to be carried on for a number of years, and after that time it may be determined exactly what type and kind of grazing will produce the maximum gain on beef steers.

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The Little International . . .

The Little International previewed the world-famous International for more than 1,000 persons on Nov. 17. Sponsored by the University Hoof and Horn club, this exposition included a public showing of the University show cattle, swine, and sheep novelty program numbers, and a six-class society and western horse show.

This year's presentation, the first since 1941, was staged with traditional livestock show pomp and ceremony in the tanbark arena of the Stock pavilion.

The scenes presented here and the cover photo were taken by Apperson studio, Urbana.



Senate Hears Ag Ec Plan

Saving our soil resources and equalizing farm income were the key points of a long-range agricultural program proposed by Piatt county farm leaders and members of the agricultural economics staff who recently testified before the Senate agricultural committee hearing in Peoria during the last week in October.

The proposals for improving agricultural conditions through soil conservation were originated by a committee of Piatt county agricultural leaders. With recommendations for supporting farm income suggested by L. J. Norton and E. J. Working, professors of agricultural economics, the following six-point program, was formulated and was proposed to the Senate agricultural committee:

First, the government would make direct payments to farmers when their income fell below a designated standard.

Second, in order to receive payments to supplement low income, a farmer would have to prepare a continuous conservation program for his farm and carry it on.

Third, the standards of income which a farmer should receive would be established by a board in each county.

Fourth, the aim of every conservation program would be to minimize soil losses, employ rotations, and general soil improvement.

Fifth, each individual would be scored on a scoring system to measure his progress.

Sixth, the board in each county would be comprised of a farmer from each township, and a representative from each agricultural agency.

During the Senate committee hearing, E. J. Working testified on proposals which the department of agricultural economics has formulated for equalizing farm income. He expressed the belief that a sound farm program must be based on an overall income approach. The system of competitively determined market prices to direct production and consumption of agricultural products should be maintained. When improving the income balance between agriculture and industry, dependence upon political influences should be avoided. The federal government should be concerned with providing conditions under which agriculture will receive a fair share of the national income, rather than attempting to influence price of individual products, Working added.

The Senate agricultural committee, comprised of Aitken, Vermont, chairman; Lucas, Illinois; Thomas, Oklahoma; Thye, Minnesota; and Ellender, Louisiana, visited campus on Oct. 25. As guests of H. P. Rusk, dean of the college of agriculture, they attended the Minnesota vs. Illinois football game.

KIDDIES' KAPERS . . .

(Continued from Page 5)

teeter-totters, yard block, platforms, planks, boxes, barrels, ladders, wagons and other motor toys. The juniors have more equipment for climbing because of their need for motor development. Included in this equipment are ladders, bars, a type of jungle gym, and nature has added a tree with low branches.

The porch has a sandtable, blocks and concentration toys. In warm weather the juniors use the porch for their free period. With the coming of cool weather, the children are kept occupied here until the group is assembled to go to the playgrounds.

Part of the Play Is Indoors

As we enter the building, we find a long narrow room. At a first glance it appears to be a cloak room but taking a second look we notice tables and chairs. The children hang their clothes on low hooks on the wall but the juniors spend part of their morning play period here. This is done to separate the two age groups. If seniors and juniors were in the main playroom simultaneously, both would be easily distracted and disturbed. Medical inspection is another activity carried on in the hallway. Every day, each child must be checked for colds, rashes, or any other symptoms of approaching illness.

On one side of the hallway, we find three rooms which are fairly small. The first is used as a workshop for the juniors and has kitchen equipment. The second is the bathroom with all facilities childsize. The third room is used as an isolation room and a place for Miss Perkins to give psychological tests. In case a child needs to be separated from the group because of illness or disciplinary purposes, he is brought here.

Across the hallway we find the main playroom which is large, light, colorful, homelike, and is marked off for the senior and junior groups. The numerous amount and variety of toys probably have dazed many children on their first visit to nursery school. The toys are grouped as to type of play as well as for convenience. One part is devoted to household play. It is a delight for children to play house with the large assortment of miniature equipment identical to the things they see used in their own homes by their parents. In other corners we find many blocks of all sizes, shapes, and colors; concentration toys; transportation toys; story books; toys for creative play, and musical instruments for rhythm. The junior group has a balcony and stairs, ladder, and a fireman's pole which encourages motor skills.

Parents and Students Observe Play

There is also an observation booth which is used by students, parents, and visitors. A screen separates the booth from the playroom which allows the observers to watch the children but pre-

vents the children from seeing them.

Besides providing a good environment for pre-school children, a laboratory for students and future nursery school teachers, and research laboratory, the nursery school provides education for parents. So few parents have the education, techniques and the understanding needed to raise their children to be the well adjusted adults of tomorrow.

With research that is done in this laboratory, as well as many others, teachers and parents are learning better techniques in bringing up children and providing the best possible environment for them to live in.

Nursery schools are now beginning to be recognized in our educational program all over the United States. At no age is the influence of environment more marked than it is in the very early years of childhood; at no age is the provision of a good environment more imperative.

ACHIEVEMENTS . . .

(Continued from Page 3)

Doris Chelin is a sophomore at the La-Salle-Peru-Oglesby Junior college. Carlene Rensch is a sophomore in the University extension center at Harrisburg; Barbara Heath is attending the Southern Illinois university as a freshman; Martha Lou Klepfer is a freshman in the Illinois State Normal university; Pauline McMillen is a freshman in Springfield Junior college.

The other boys who attended the congress are working at home either in partnership with their father, farming for themselves, or finishing high school. Lawrence Gregory, DuPage county, has started his college career at North Central college, Naperville.

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CASE



THE AG'CULTURE

By Kenneth Goodrich

One day I went into the Agriculturist office and walked right up to the editor and said, "May I write a feature for your magazine?"

He clasped me wildly to his bosom and replied, "Maybe."

"Well what do you want me to write about? Just give me a subject." I said.

"We need something light. How about something on the way you spent the holidays overseas?"

"I was on K.P." I said weakly.

"Oh-well, write about anything—anything," he said irritably and with an air of dismissal.

My feelings were hurt. "I'll show him," I thought, "I will write about 'anything'."

* * *

A recent survey revealed that although only 5 per cent of the nation's adults are graduates, college trained farmers made five times more than those untrained. Sounds good, aggies. Tell it to the girls and then see what they think about their ol' ratio.

* * *

I've discovered a most novel way of learning all the cuts of meat for animal science 36. It's sung to the tune of "Dry Bones" and goes something like this:

And the wedge bone connected to the (clank) round bone—

And the round bone connected to the (clank) double bone—

And the double bone connected to the (clank) pin bone, etc.

While the method is probably fundamentally sound, it unfortunately is the only way I can remember them. It might prove distracting during the final exam.

* * *

Sudden thought: Am I glad I don't live in Argentina! I'd probably have to spend Christmas vacation cultivating corn.

* * *

I see the ag engineering 1 students have surveyed the Agricultural Engineering building again—that makes 24,546 times. It doesn't seem to have moved.

* * *

Choices I love to make: On a cold, slimy, drizzly day when the instructor asks, "Which would you rather do—take a quiz or go on a field trip?"

* * *

The long skirt situation was summed up by Sleeter Bull, professor of meats. He feels that the modern co-ed is at last realizing her mistake in attaining boyish slimness and is trying to cover it up with yards of material and padding.

* * *

My wife, an LAS student, has con-

"What am I going to do after graduation?" You have heard this question time and again, but have you ever found the answer? Here is what graduates of recent years are doing in answer to the all-important vocational problem.

Carl Anderson is at Cody, Wyoming, as a soils classification specialist with the Department of Interior.

Many graduates have jobs with food companies. William Vanderhoof is with Pet Milk in Michigan. James Whorton is at Swift and company in Chicago, and Franklin Graham is at Marshall with Kraft foods.

Most of the home ec people on campus who attended the annual home ec banquet last spring will remember Mrs. Maria Fe Atienza, who entertained everyone with her charming talk on her home in the Philippines. Mrs. Atienza is now doing graduate work at Columbia.

At last report, Mrs. Donald Knottle (Martha Wheeler '44), was at the Lever Brothers plant in Hammond, Ind., in the capacity of control chemist.

Dietetics Grads Work in Hospitals

A number of dietetics grads are concerned with seeing that the clientele of hospitals across the country are receiving properly nutritive, attractive-looking fare. Some of them include Helen Bowditch '47 at the University of Minnesota hospital in Minneapolis; Helen Moyers '47 at Milwaukee County hospital, Milwaukee; June Tanck '47 at Cook County hospital in Chicago; Joyce Chamberlain '46 at Hines Veterans hospital in Hines, Ill., and Corrine Hamilton '46, at Johns

stantly been trying to lure me to the west side of the campus and make a culture-vulture of me. She has been strangely quiet about it though, since she went with me through registration and noticed the casual simplicity, compared to LAS standards, with which it's done in the ag college. But don't noise it around too much—there might be a mass invasion of Mumford hall come February.

* * *

There are many interesting theories being advanced as to why the animal husbandry department has been dissolved to be replaced by that of the animal science. Some say it's to discourage girls that occasionally wander into the classes with the wrong idea. I suspect the real reason is simply that the old name has been outgrown. Animal husbandry has blossomed into a full grown science, demanding a more fitting and dignified title.

* * *

Well, that's it, Mr. Editor—"Anything" about this ag culture.

NEWS OF THE GRADUATES

By Sonny Karlen and Hobart Hinderliter

Hopkins hospital in Baltimore.

Among those grads who are farming we find Ray Krieg, John Phillips, Morris Rubin, Tom Stevenin, and Richard Ziegler.

Students now in the University graduate school include George Carlisle, Stanley Musgrave, John Schuett, and Irwin Smith.

In direct danger of becoming junior executives are Miriam Arnold and Mary Sue Congleton, both '46, who are training at the J. L. Hudson company in Detroit.

Many are Teaching

Teaching fortunate teen-agers the ABCs of home economics are '47 grads Ruby Olson at Stronghurst high school; Elizabeth Streid at El Paso high; Roberta Webb at Ridgeway; Marilee Cowgur at Odell; and Alberta Reitz at Rankin high school.

Vocational ag graduates are teaching throughout the state. These include James Clinton, George Coil, Donald Davidson, Kermit Esary, Robert Fry, Richard Geiger, Gail Harms, Harry Jensen, Marvin Kory, James Litchfield, Russell Meredith, Robert Mitchell, Guy Oland, William Pictor, Elmer Schoenberg, Howard Tolley, and Eugene Wood.

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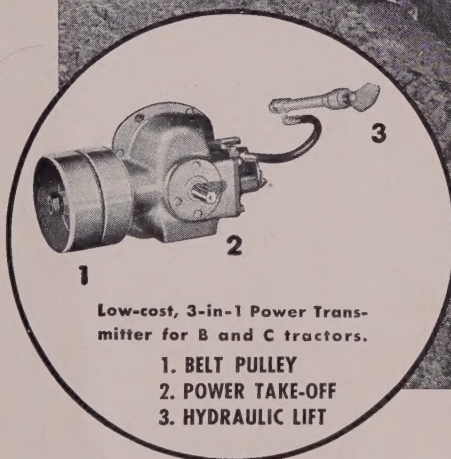
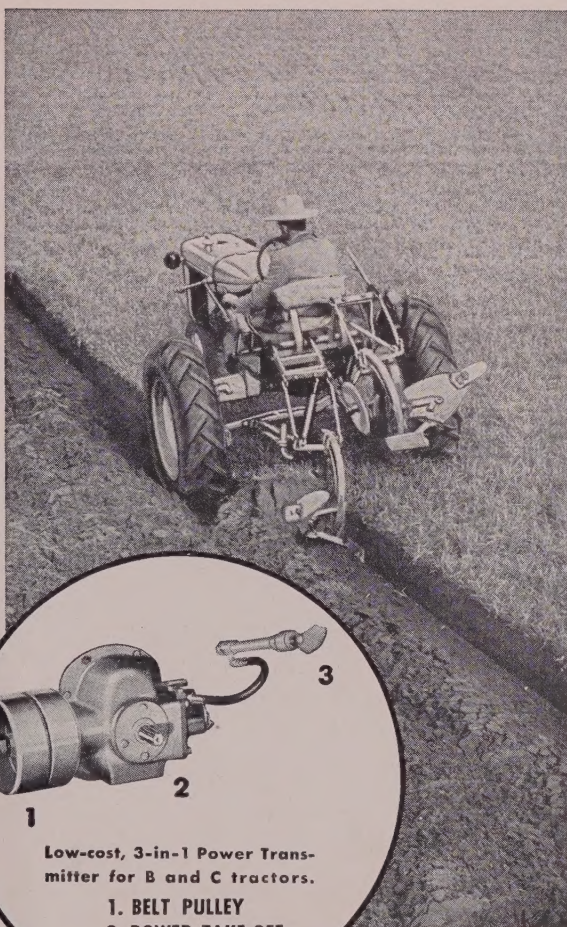
Hydraulic Lift Implements

OPERATE AT A FINGER'S TOUCH

The right and left-hand bottoms of the two-way plow (pictured at right) are alternated in plowing back and forth across the field. All furrows are turned in one direction, leaving no dead furrow. In hilly land all furrows can be turned uphill, forming small terraces to catch and hold moisture. At the touch of a lever on the tractor, oil pressure in the hydraulic system instantly lifts or lowers either bottom of the plow.

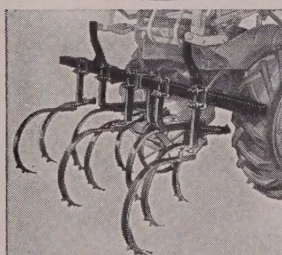
This is how A-C hydraulic-lift implements can help undo the damage of heavy rains that leach and harden soils. Mellow, enriching humus must be worked back into the land. Terraces must be built on steeper slopes.

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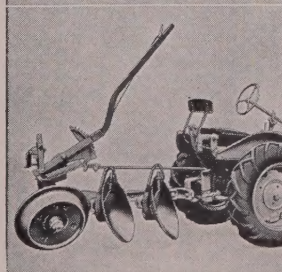


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